

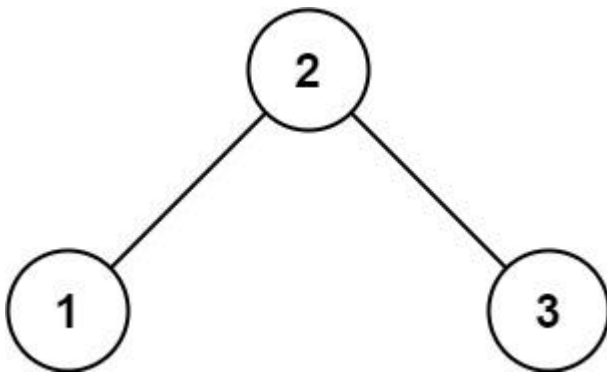
## Validate Binary Search Tree [\(View\)](#)

Given the `root` of a binary tree, *determine if it is a valid binary search tree (BST)*.

A **valid BST** is defined as follows:

- The left subtree of a node contains only nodes with keys **less than** the node's key.
- The right subtree of a node contains only nodes with keys **greater than** the node's key.
- Both the left and right subtrees must also be binary search trees.

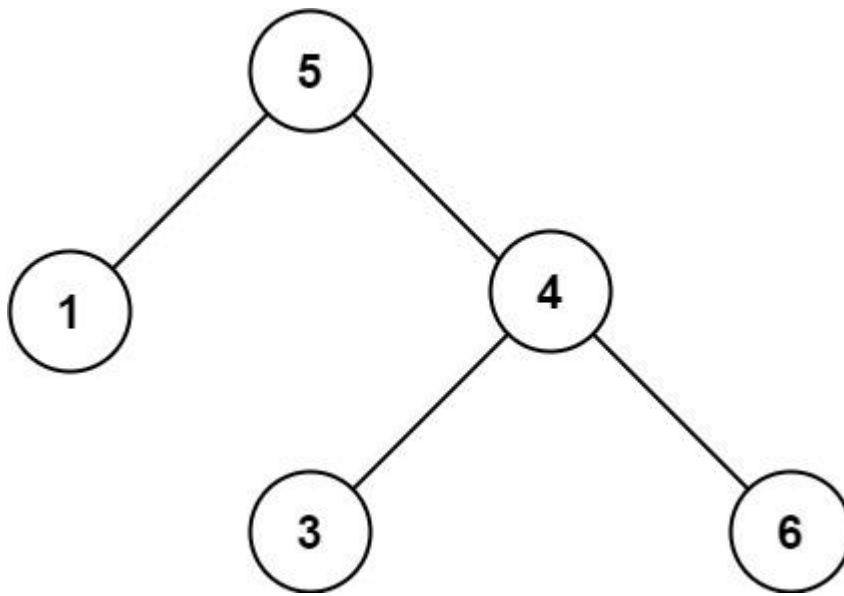
**Example 1:**



**Input:** `root = [2,1,3]`

**Output:** `true`

**Example 2:**



**Input:** root = [5,1,4,null,null,3,6]

**Output:** false

**Explanation:** The root node's value is 5 but its right child's value is 4.

**Constraints:**

- The number of nodes in the tree is in the range  $[1, 10^4]$ .
- $-2^{31} \leq \text{Node.val} \leq 2^{31} - 1$